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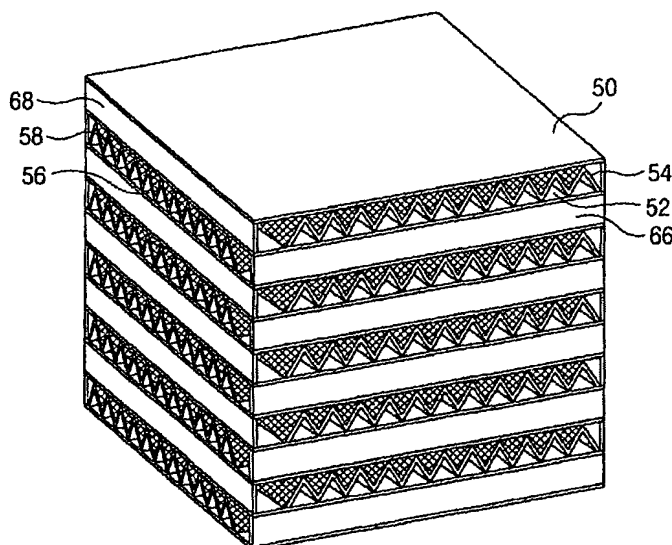
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(54) Title: HEAT EXCHANGER OF VENTILATING SYSTEM



(57) Abstract: A heat exchanger (8) of a ventilating system, including a plurality of heat exchanging plates (50) which are laminated at a predetermined interval, a first heat exchange member (54) which is laminated among the heat exchanging plates (50) and is formed in a mesh type to increase turbulence of the outdoor air which flows while being attached on a first air path (52) through which outdoor air passes and a second heat exchange member (58) which is laminated among the heat exchanging plates (50) crossed with the first heat exchange member (54) and is formed in a mesh type to increase turbulence of indoor air which flows while being attached on a second air path (56) through which the outdoor air passes can improve heat transfer performance by increasing turbulence of air by positioning a mesh type heat exchange in a air path through which outdoor and indoor air passes.

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INTERNATIONAL SEARCH REPORT

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CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: F28D, F28F, F24F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, PAJ, EPODOC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2001/027552 A1 (CARRIER Corp.) 19 April 2001 (19.04.2001) <i>figures 7-13 and description.</i>	1-3
Y	<i>figures 7-13 and description.</i>	4, 5
X	US 6145588 A (MARTIN et al.) 14 November 2000 (14.11.2000) <i>figure and description.</i>	1, 2, 6-8
Y	<i>figure and description.</i>	9, 10
X	GB 1450460 A (KLÖCKNER-HUMBOLDT-DEUTZ) 22 September 1976 (22.09.1976) <i>figure 6 and description.</i>	1, 2
Y	US 20020011331 A1 (LEHMAN et al.) 31 January 2002 (31.01.2002) <i>figure 2 and description.</i>	4, 5, 9, 10

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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US	A	20020011 331				none	
US	A	6145588	2000-11-14			none	
WO	A	20010275 52				none	